

AN 1998-577865 [49] WPIX Full-text

DNN N1998-450621 DNC C1998-173252

TI Gas sensor with thermometer for detecting oxygen  
concentration and humidity - has sensing element holder enclosing  
gas concentration measuring element and temperature  
sensing element in parallel and at set distance from each other is encased  
coaxially by probe.

DC E36 J04 S03

PA (NITS) NGK SPARK PLUG CO LTD

CYC 1

PI JP--10260155 A 19980929 (199849)\* 8p G01N-027-41 <--

ADT JP--10260155 A 1997JP-0085907 19970318

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IC ICM G01N-027-41

ICS G01N-027-12

AB ~~JP 10260155 A~~ UPAB: 19981223

The gas sensor for measuring oxygen  
concentration and humidity comprises of a gas measuring  
element (20) which has a built-in heater for heating. A temperature  
sensing element (18) is provided for correcting temperature of the gas  
sensing element. Both the elements are parallelly arranged inside a sensor  
holder (42) which support them enclosed and at a set distance away from  
each other in parallel. A probe (14) which extends the sensor into the  
sensing zone, coaxially encloses the sensor element holder.

ADVANTAGE - Prevents influence of the heater temperature on the  
temperature sensor. Offers compact gas sensor. Ensures  
accurate sensing of ambient temperature.

Dwg.2/7

FS CPI EPI

FA AB; GI; DCN

MC CPI: E11-Q03N; E31-D02; J04-C04

EPI: S03-E02A; S03-E03; S03-E14P